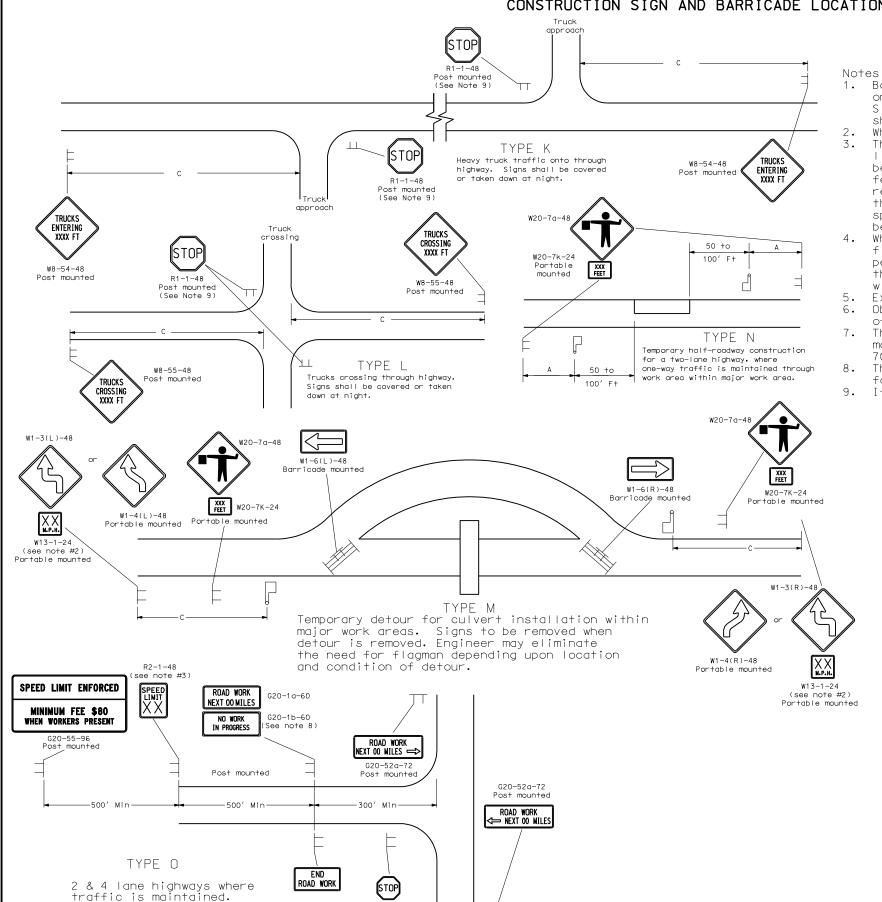
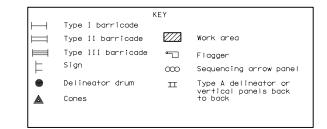
CONSTRUCTION SIGN AND BARRICADE LOCATION DETAILS



- 1. Barricade shown to be placed on roadway shall be on a moveable assembly. on the top of the top barricade bar. Sign shown to be placed on the roadway Sign to be mounted on barricades shall be mounted with the sign bottom shall be placed on skid mounted assemblies.
- Where necessary, safe speed to be determined by the Engineer.
- The reduced speed limit shall be determined dependent on the in place speed limit before construction. The speed limit reduction should not exceed 10 mph below the existing speed limit, unless the design speed of the work zone feature has been reduced below the 10 mph. In this case, the speed limit reduction shall not exceed 30 MPH. Where speed limits are to be reduced more than 30 MPH, a second speed limit sign shall be installed with the desired speed reduction but shall not exceed 30 MPH. The second speed limit sign shall be placed at 1/2 B.
- When warning signs are used in urban areas and the signs are not portable, flags shall be installed. The flags shall be 24 inches square, mounted perpendicular to the edges of the diamond sign, and at such a distance above the edge so that when the flag is limp it will not touch the sign. Rural areas will not require flags.
- Existing speed limit signs within a reduced speed zone shall be covered.
- Obliterated or covered pavement marking shall be paid for as Obliteration of Pavement Marking. The covering shall be approved by the engineer.
- The contractor has the option of using portable sign supports in lieu of post mounted sign as shown on the standard drawings as specified in section 704.03 C.
- The contractor shall install the G20-1b-60 sign when work is suspended for winter.
- 9. If existing stop sign is in place, a 48" stop sign is not required.



ADVANCE WARNING SIGN SPA	CING		
	Distanc	e Betwee	n Signs
Road Type	Min. (ft)		
	Α	В	С
Urban - Low Speed (30 mph or less)	150	150	150
Urban - Low Speed (over 30 to 40 mph)	280	280	280
Urban - High Speed (over 40 mph to 50 mph)	360	360	360
Rural - High Speed (over 50 mph to 65 mph)	720	720	720
Urban Expressway and Freeway			
(55 mph to 60 mph)	850	1350	2200
Rural Expressway and Freeway			
(70 mph to 75 mph)	1000	1500	2640
Interstate/4-Lane Divided			
(Maintenance and Surveying)	750	1000	1500

	NORTH DAKOTA	
DEPARTME	NT OF TRANSPORTATION	
10-1-86		
REVISIONS		l
DATE	CHANGE	1
09-30-93 06-21-95 08-15-96 10-01-99 02-02-00	General revisions General revisions Revise flag note General revisions W8-55-48	
10-17-02 07-25-03 04-01-04	Deleted Work In Progress Sign Revised R2–1a Revised fee sign & Worning sign spacing.	
12-01-04 02-14-05 06-29-05	Revised note 3 PE stamp added Added note 9 and revised stop sign size Rev. Adv. Warning Table. Rev. Note 3	

This document was originally issued and sealed by Mark S Gaydos Registration Number PE-4518, on 06/29/05 and the original document is stored at the North Dakota Department of Transportation

G20-2A-48

Post mounted

R1-1-48

traffic is maintained. This layout is used where there is a Tee Intersection and is used in conjunction with other standards